

In the Claims:

Please substitute and enter the following amended claims 6, 7, 11, 12, 13, 14, 18, 22, 27, 34, 37, 38, 39, 46, 47, 51, 54, 56, 60, 63, and 67 for previously pending claims 6, 7, 11, 12, 13, 14, 18, 22, 27, 34, 37, 38, 39, 46, 47, 51, 54, 56, 60, 63, and 67, as follows:

6. (First Amended) The stage assembly of claim 1 wherein the control system offsets the second X position signal to approximately match the first X position signal.

7. (First Amended) The stage assembly of claim 1 wherein the control system offsets the second X position signal to approximately match the first X position signal within one servo cycle.

11. (First Amended) The stage assembly of claim 10 wherein the control system directs current to the Y mover so that the device table is moving at an approximately constant velocity along the Y axis before and after the switching between the first Y system and the third Y system.

12. (First Amended) The stage assembly of claim 10 wherein the control system utilizes the first Y position signal from the first Y system to control the Y mover prior to the switch from the first Y system to the third Y system and the control system utilizes the third Y position signal from the third Y system to control the Y mover after the switch from the first Y system to the third Y system.

13. (First Amended) The stage assembly of claim 12 wherein the control system switches from the third Y system to the second Y system in the second region and the control system utilizes the third Y position signal from the third Y system to control the Y mover prior to the switch from the third Y system to the second Y system and the control system utilizes the second Y position signal from the second Y system to control the Y mover after the switch from the third Y system to the second Y system.

14. (First Amended) The stage assembly of claim 10 wherein the control system offsets the third Y position signal to approximately match the first Y position signal within one servo cycle.

18. (First Amended) A wafer on which an image has been formed by the exposure apparatus of claim 16.

22. (First Amended) The stage assembly of claim 19 wherein the control system offsets the second X position signal to approximately match the first X position signal within one servo cycle.

27. (First Amended) The stage assembly of claim 25 wherein the control system offsets the second Y position signal to approximately match the third Y position signal within one servo cycle.

34. (First Amended) The stage assembly of claim 32 wherein the control system directs current to the X mover so that the device table is moving at an approximately constant velocity along the X axis immediately prior to the at least one skipped servo cycle.

37. (First Amended) The stage assembly of claim 32 wherein the control system offsets the second X position signal to approximately match the first X position signal.

38. (First Amended) The stage assembly of claim 32 wherein the control system offsets the second X position signal to approximately match the first X position signal within one servo cycle.

39. (First Amended) The stage assembly of claim 32 wherein the control system flushes previous X position signals from the X systems within one servo cycle.

46. (First Amended) The stage assembly of claim 42 wherein the control system offsets the third Y position signal to approximately match the first Y position signal during one of the skipped servo cycles.

47. (First Amended) The stage assembly of claim 46 wherein the control system offsets the second Y position signal to approximately match the third Y position signal during one of the skipped servo cycles.

51. (First Amended) A stage assembly that moves a device along an X axis and a Y axis between a first region, a transition region, and a second region, the stage assembly comprising:

a device table that retains the device;

a Y mover connected to the device table and moving the device table along the Y axis;

a measurement system that monitors the position the device table, the measurement system including a first Y system that provides a first Y position signal that indicates the position of the device table along the Y axis when the device table is in the first region, a second Y system that provides a second Y position signal that indicates the position of the device table along the Y axis when the device table is in second region and a third Y system that provides a third Y position signal when the device table is in the first region, the second region and the transition region; and

a control system connected to the Y mover and the measurement system, the control system receiving the position signals from the Y systems and directs current to the Y mover to move the device table along the Y axis from the first region to the second region with a plurality of servo cycles, wherein the control system switches from the first Y system to the third Y system within one servo cycle when the device table is in the first region.

Q10
54. (First Amended) The stage assembly of claim 53 wherein the control system offsets the third Y position signal to approximately match the first Y position signal within one servo cycle.

Q11
56. (First Amended) The stage assembly of claim 55 wherein the control system offsets the second Y position signal to approximately match the third Y position signal within one servo cycle.

Q12
60. (First Amended) A method for making a stage assembly for moving a device along an X axis between a first region, a transition region, and a second region, the method comprising the steps of:

providing a device table that retains the device;

connecting an X mover to the device table, the X mover moving the device table along the X axis;

providing a measurement system, the measurement system including a first X system that provides a first X position signal that indicates the position of the device table along the X axis when the device table is in the first region and a second X system that provides a second X position signal that indicates the position of the device table along the X axis when the device table is in second region; and

connecting a control system to the X mover and the measurement system, wherein the control system switches between the X systems during one servo cycle when the device table is in the transition region.

Q13
63. (First Amended) The method of claim 62, wherein the control system offsets the second X position signal to approximately match the first X position signal during switching of X systems.

Q14
67. (First Amended) The method of claim 66, wherein the control system offsets the third Y position signal to approximately match the first Y position signal during switching between the first Y system and the third Y system.